

CV of Tutumoni Kalita

Name: TUTUMONI KALITA

Designation: Assistant Professor

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Date of Birth: 08-10-1996

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	2012	Meghalaya Board of School Education	-
2	HSSLC/10+2 Std.	2014	Meghalaya Board of School Education	Science
3	Degree	2018	Rajiv Gandhi Proudlyogiki Vishwavidyalaya	B. Pharm
4	Master's Degree	2020	Dibrugarh University	Pharmaceutical Chemistry
6	Ph. D.	Pursuing (Registered March 2022)	Dibrugarh University	Synthetic Chemistry

Languages known: English, Hindi, Assamese

Academic/ Administrative Experience: 5 years

List of Publications:

1. **Kalita T**, Dutta S, Shakya A, Ghosh SK, Singh UP, Bhat HR. In Silico Study, Synthesis, and In Vitro Evaluation of Nicotinamide-Substituted 1, 3, 5-Triazine Derivatives as Inhibitors of Acetylcholinesterase and Butyrylcholinesterase. Journal of Molecular Structure. 2025;1331:141577.

2. Kushari S, Saha D, Kalita JM, **Kalita T**, Kalita P, Chakraborty J, Kumar S, Das T, Patowary L. An insight of in silico and in vitro evaluation of Catechins and L-theanine from *Camellia sinensis* (L.) against Alzheimer's disease targeting cholinesterases and β -secretase. *In Silico Research in Biomedicine*. 2025 Jun 4:100020.
3. Rynjah D, Sandhanam K, Bhattacharjee B, Deka B, Newar A, **Kalita T**, Nath J, Ahmed AB, Sahu RK, Das T. CRISPR/Cas9 gene editing systems for enhancing secondary metabolite biosynthesis via reproductive tissue modification. *Discover Plants*. 2025 Aug 10;2(1):245.
4. Halimi MM, Wu YS, Lee MF, Kumarasamy V, **Kalita T**, Rajendran K, Tan RW, Fuloria NK, Sekar M, Subramaniyan V. *Blastocystis* sp.: A Hidden Player in Gut Health and Disease. *Progress In Microbes & Molecular Biology*. 2025 Sep 11;8(1).
5. Kalita P, **Kalita T**, Bora NS, Roy PK, Pachuau L, Roy S. A review on natural polymer-based film/coating in postharvest mushroom preservation. *Food Control*. 2025 Jan 30:111185.
6. Kushari S, **Kalita T**, Bharali A, Kalita JM, Laloo D. Natural terpenoids: exploring their antidiabetic potential and mechanism of action. *Antidiabetic Drug Discovery from Natural Products*. Elsevier; 2025. P. 109-51.
7. Siddiqui SA, Srikanth SP, Wu YS, **Kalita T**, Ambartsumov TG, Tseng W, Kumar AP, Ahmad A, Michalek JE. Different types of algae beneficial for bone health in animals and in humans—A review. *Algal Research*. 2024;82:103593.
8. Siddiqui, S. A., Ngah, N., Wu, Y. S., **Kalita, T.**, Yudhistira, B., & Ibrahim, S. A. (2024). Lab-grown insect meat—Chemical and biological insights—A comprehensive review. *Journal of Insects as Food and Feed*, 1(aop), 1-28.
9. **Kalita, T.**, Choudhury, A., Shakya, A., Ghosh, S., Singh, U. P., & Bhat, H. R. (2024). A Review on Synthetic Thiazole Derivatives as an Antimalarial Agent. *Current Drug Discovery Technologies*. Bentham Science.
10. Saikia T, Khanam A, Ahmed N, Bharali A, **Kalita T**, Rajak P, Sahu BP, Patowary L. Disrupting Tumour Niches: Advanced Strategies for Targeting the Tumour Microenvironment in Cancer Therapy. Bentham Science. 2024.
11. Chavda, V. P., Luo, G., Bezbaruah, R., **Kalita, T.**, Sarma, A., Deka, G., ... & Postwala, H. (2024). Unveiling the promise: Exosomes as game-changers in anti-infective therapy. *In Exploration* (p. 20230139).
12. Saikia, T., **Kalita, T.**, Sahu, B. P., Rajak, P., Deka B., Bharali, A. Chapter: Mechanistic aspects of Neurodegeneration in Alzheimer's disease and the role of Phytochemicals. In: *Computation and Experimental Studies in Alzheimer's Disease*. 1st Edition. CRC Press, Taylor & Francis Group. 2024.

13. Nongrang, L., Bezbaruah, R., **Kalita, T.**, Deka, K., Gogoi, B., Sadhu, P. Chapter 5: Global Impact of Delta and Omicron Variants of SARS-CoV-2. SARS-CoV-2 Variants and Global Population Vulnerability. CRC Press, Taylor & Francis Group. 2024.
14. Bezbaruah, R., Chavda, V. P., Nongrang, L., Alom, S., Deka, K., **Kalita, T.**, ... & Vora, L. (2022). Nanoparticle-Based Delivery Systems for Vaccines. Vaccines, 10(11), 1946.
15. Chavda, V. P., Bezbaruah, R., Deka, K., Nongrang, L., & **Kalita, T.** (2022). The Delta and Omicron Variants of SARS-CoV-2: What We Know So Far. Vaccines, 10(11), 1926.
16. Chavda, V. P., Bezbaruah, R., **Kalita, T.**, Sarma, A., Devi, J. R., Bania, R., & Apostolopoulos, V. (2022). Variant Influenza: connecting the missing dots. Expert Review of Anti-infective Therapy, 20(12), 1567-1585.
17. **Kalita, T.**, Deka, K., Devi, D., Dewsaw, A. K. (2022). Traditionally used herbal remedies by the indigenous tribes of Meghalaya: A Review. CRJPAS, 5(1), 1-14.

List of Patents:

1. Singha R, Siangshai AG, Warjri I, Jyrwa R, Mawlieh BH, Gogoi B, Gam S, Kalita T. Digital Writing Pad for Medical Recording. 2023. Indian Patent. Design no. 378151-001.
2. Singha R, Siangshai AG, Mawlieh BH, Siangshai S, Kalita T, Deka K, Gogoi B, Gam S, Verma P. Electroencephelography (EEG) Monitoring System. 2023. Indian Patent. Design no. 380354-001.

Membership of Professional bodies: Member of the Association of Pharmaceutical Teachers of India (APTI)

Award, Fellowship & Recognition: Qualified GPAT in the year 2018.

Date: 15-09-2025



(Tutumoni Kalita)